

Title (en)

GATED ASYNCHRONOUS CARRIER MODULATION

Publication

EP 0089627 A3 19840328 (EN)

Application

EP 83102642 A 19830317

Priority

US 35961582 A 19820318

Abstract (en)

[origin: EP0089627A2] A motor pulse width modulation control technique employing gated asynchronous carrier modulation including establishing a repetitive modulation signal along with the generation of a carrier frequency signal at a frequency greater than the frequency of the modulation signal. The carrier frequency signal is gated at a gating rate less than the frequency of the carrier frequency signal so as to provide the gated carrier frequency signal. Means are provided for modulating the gated carrier frequency signal by the aforementioned repetitive modulation signal so as to provide cyclic pulse width modulation drive signal for motor control.

IPC 1-7

H02M 7/515

IPC 8 full level

H02M 7/529 (2006.01)

CPC (source: EP US)

H02M 7/529 (2013.01 - EP US)

Citation (search report)

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- [A] US 3569805 A 19710309 - HAMMOND PETER W
- [A] US 4179727 A 19791218 - HONDA KAZUO [JP], et al
- [A] EP 0009783 A1 19800416 - FUJITSU FANUC LTD [JP]

Cited by

EP0413966A3; US5068777A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0089627 A2 19830928; EP 0089627 A3 19840328; BR 8301354 A 19831129; CA 1197284 A 19851126; US 4409535 A 19831011

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EP 83102642 A 19830317; BR 8301354 A 19830317; CA 423832 A 19830317; US 35961582 A 19820318